US009636117B2

(12) **United States Patent**
Bachman et al.

(10) **Patent No.: US 9,636,117 B2**
(45) **Date of Patent: May 2, 2017**

(54) **DEVICES, SYSTEMS AND METHODS FOR ENCLOSING AN ANATOMICAL OPENING**

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(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

(21) Appl. No.: **14/808,343**

(22) Filed: **Jul. 24, 2015**

(65) **Prior Publication Data**

US 2015/0327867 A1 Nov. 19, 2015

Related U.S. Application Data

(62) Division of application No. 13/646,602, filed on Oct. 5, 2012, now Pat. No. 9,119,625.
(Continued)

(51) **Int. Cl.**
A61B 17/12 (2006.01)

(52) **U.S. Cl.**
CPC ***A61B 17/12118*** (2013.01)

(58) **Field of Classification Search**
CPC A61B 17/12118; A61B 17/12145; A61B 17/12113; A61B 17/12; A61M 29/00
See application file for complete search history.

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(57) **ABSTRACT**

The present technology is directed generally to devices, systems, and methods for enclosing anatomical openings. In several embodiments, an aneurysm device is endovascularly deliverable to a site proximate to an arterial aneurysm. The aneurysm device includes a closure structure having a distal-facing aspect configured to at least partially occlude the aneurysm and a proximal-facing aspect configured to arch over lumina of an artery. The device further includes a supplemental stabilizer connected to the closure structure and configured to reside in the artery and press outward against a luminal wall thereof. In some embodiments, the device can also include a barrier spanning at least a portion of the distal-facing aspect of the closure structure and configured to further occlude a neck of the aneurysm. In further embodiments, the closure structure can be configured to restrict and/or divert flow to or from the aneurysm.

12 Claims, 16 Drawing Sheets